**SA WG2 Meeting #S2-152E List of Documents**

**17 - 26 August, 2022, Electronic meeting**

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| 9.19 | - | - | - | Study on XR (Extended Reality) and media services (FS\_XRM) | - | - | Docs:=69 |  | **-**  |
|  | - | - | - | Architecture&Requirement | - | - | Doc=2 |  | **-**  |
| 9.19 | **[S2-2206350](Docs%5C%5CS2-2206350.zip%22%20%5Ct%20%22_blank)** | P-CR | Approval | 23.700-60: Architectural assumption on the PDU Session for XRM services | MediaTek Inc., Samsung | Rel-18 |  |  |  |
| 9.19 | **[S2-2206925](Docs%5C%5CS2-2206925.zip%22%20%5Ct%20%22_blank)** | P-CR | Approval | 23.700-60: Architecture Requirement for encrypted media traffics | Google Inc. | Rel-18 |  |  |  |
|  | - | - | - | KI1&2 new sol and sol update | - | - | Doc=8 |  | **-**  |
| 9.19 | **S2-2205831** | P-CR | Approval | 23.700-60: KI#1 and KI#2, New Sol: Policy control and exposure for multi-modality services | Ericsson | Rel-18 |  |  |  |
| 9.19 | **S2-2206148** | P-CR | Approval | 23.700-60: KI#1&2, New Sol: application-layer based synchronization and group QoS Coordination | China Telecom | Rel-18 |  |  |  |
| 9.19 | **S2-2205908** | P-CR | Approval | 23.700-60: KI #1 and KI#2, Consolidated solution | InterDigital Inc. | Rel-18 |  |  |  |
| 9.19 | **S2-2205941** | P-CR | Approval | 23.700-60: KI#2, New Sol, NEF based coordination across PCFs | Nokia, Nokia Shanghai Bell | Rel-18 |  |  |  |
| 9.19 | **S2-2206392** | P-CR | Approval | 23.700-60: Solution for KI#1, KI#2 on QoS enhancement to support coordinated treatment of a group of QoS flows | Huawei, HiSilicon, Nokia, China Mobile, China Telecom, Xiaomi, Tencent | Rel-18 |  |  |  |
| 9.19 | **S2-2206396** | P-CR | Approval | 23.700-60: KI #1 and #2: New solution on multi-modality support | Samsung | Rel-18 |  |  |  |
| 9.19 | **S2-2206401** | P-CR | Approval | 23.700-60: Solution on multi-modality support for UE connected with tethered device(s) (Key issue #1 & #2) | Samsung | Rel-18 |  |  |  |
| 9.19 | **S2-2206880** | P-CR | Approval | 23.700-60: KI#1-2: Sol. 40 update | Qualcomm Incorporated | Rel-18 |  |  |  |
|  | - | - | - | KI3 new sol and sol update | - | - | Doc=9 |  | **-**  |
| 9.19 | **S2-2205845** | DISCUSSION | Approval | Discussion on ECN/L4S related solutions in KI#3 | Vivo |  |  |  |  |
| 9.19 | **S2-2205829** | P-CR | Approval | 23.700-60: KI#3, Sol #41: update to remove one editor s note, clarification of impacts and correction/clarification of references | Ericsson | Rel-18 |  |  |  |
| 9.19 | **S2-2205848** | P-CR | Approval | 23.700-60: KI#3, Update Sol#41: add clarification | Vivo | Rel-18 |  |  |  |
| 9.19 | **S2-2205936** | P-CR | Approval | 23.700-60: KI#3 Solution#46 Update | Nokia, Nokia Shanghai Bell | Rel-18 |  |  |  |
| 9.19 | **S2-2205996** | P-CR | Approval | 23.700-60: KI#3, Sol#41,43,46: Update of enabling use of ECN | OPPO | Rel-18 |  |  |  |
| 9.19 | **S2-2206261** | P-CR | Approval | 23.700-60: KI#3, sol#6, update and clarification on the Requested Alternative QoS Parameter Sets from AF | Tencent, Tencent Cloud | Rel-18 |  |  |  |
| 9.19 | **S2-2206230** | P-CR | Approval | 23.700-60: KI#3, Sol#43 update on uplink services | Huawei, HiSilicon | Rel-18 |  |  |  |
| 9.19 | **S2-2206513** | P-CR | Approval | 23.700-60: FS\_XRM\_KI#3 Sol#47 EN Remove | Xiaomi | Rel-18 |  |  |  |
| 9.19 | **S2-2206772** | P-CR | Approval | 23.700-60: New Solution: Supporting ECN in 5GS for XR/media Enhancements | China Mobile | Rel-18 |  |  |  |
|  | - | - | - | KI3 evaluation&conclusion | - | - | Doc=1 |  | **-**  |
| 9.19 | **S2-2205937** | P-CR | Approval | 23.700-60: Conclusions for KI#3 for Congestion control | Nokia, Nokia Shanghai Bell | Rel-18 |  |  |  |
|  | - | - | - | KI4 &5 new sol and sol update | - | - | Doc=31 |  | **-**  |
| 9.19 | **S2-2206882** | LS OUT | Approval | [DRAFT] LS on PDU Set QoS framework | Qualcomm Incorporated | Rel-18 |  |  |  |
| 9.19 | **S2-2206883** | LS OUT | Approval | [DRAFT] LS on N6 PDU Set identification and marking | Qualcomm Incorporated | Rel-18 |  |  |  |
| 9.19 | **S2-2205840** | DISCUSSION | Approval | Discussion on KI#4&5 | Vivo |  |  |  |  |
| 9.19 | **S2-2205639** | P-CR | Approval | 23.700-60: KI #4, 5, Sol #7: Update to remove EN, other solution updates | Futurewei | Rel-18 |  |  |  |
| 9.19 | **S2-2205830** | P-CR | Approval | 23.700-60: KI #4, Sol #8: update to remove ENs, add a MASQUE variant and clarify procedures and impacts | Ericsson | Rel-18 |  |  |  |
| 9.19 | **S2-2205838** | P-CR | Approval | 23.700-60: KI#4&5, New Sol: PDU Set identification for the traffic transmitted via HTTPS | Vivo | Rel-18 |  |  |  |
| 9.19 | **S2-2205839** | P-CR | Approval | 23.700-60: KI#4&5, New Sol: Inter PDU Set Dependency | Vivo | Rel-18 |  |  |  |
| 9.19 | **S2-2205841** | P-CR | Approval | 23.700-60: KI#4&5, Update Sol#52: add clarification and clear Ens | Vivo | Rel-18 |  |  |  |
| 9.19 | **S2-2206001** | P-CR | Approval | 23.700-60: KI#4, Sol#15,52: update to generate PDU Set related info based on existing RTP | OPPO | Rel-18 |  |  |  |
| 9.19 | **S2-2205911** | P-CR | Approval | 23.700-60: KI #4 and KI#5, Solution #52 Update: Resolving ENs on peer-to-peer communication and Uplink QoS | InterDigital Inc. | Rel-18 |  |  |  |
| 9.19 | **S2-2205938** | P-CR | Approval | 23.700-60: KI#4 & 5 Solution Update | Nokia, Nokia Shanghai Bell | Rel-18 |  |  |  |
| 9.19 | **S2-2206210** | P-CR | Approval | 23.700-60: KI#4, sol#23, solution update | Tencent, Tencent Cloud | Rel-18 |  |  |  |
| 9.19 | **S2-2206216** | P-CR | Approval | 23.700-60: KI#4, New solution on PDU set handling enhancements for different kinds of packets | Tencent, Tencent Cloud | Rel-18 |  |  |  |
| 9.19 | **S2-2206231** | P-CR | Approval | 23.700-60: KI#4 and #5, Sol#52 update | Huawei, HiSilicon | Rel-18 |  |  |  |
| 9.19 | **S2-2206284** | P-CR | Approval | 23.700-60: Key Issues #4 and #5 update of Solution #52 | Lenovo | Rel-18 |  |  |  |
| 9.19 | **S2-2206285** | P-CR | Approval | 23.700-60: New solution for KI#4 and #5 PDU set handling capability of RAN node | Lenovo | Rel-18 |  |  |  |
| 9.19 | **S2-2206323** | P-CR | Approval | 23.700-60: Update of solution 50 | Sony | Rel-18 |  |  |  |
| 9.19 | **S2-2206326** | P-CR | Approval | 23.700-60: New solution to support PDU Set with FEC Data for KI 4 and 5 | Sony | Rel-18 |  |  |  |
| 9.19 | **S2-2206328** | P-CR | Approval | 23.700-60: KI#5, Update on Solution#53 PDU Set transmission coordination between RAN and UPF | Huawei, HiSilicon | Rel-18 |  |  |  |
| 9.19 | **S2-2206338** | P-CR | Approval | 23.700-60: Solution update for Sol#12 | China Mobile | Rel-18 |  |  |  |
| 9.19 | **S2-2206605** | P-CR | Approval | 23.700-60: KI #4, Sol #12: Update to resolve EN | KDDI | Rel-18 |  |  |  |
| 9.19 | **S2-2206607** | P-CR | Approval | 23.700-60: KI #5, Sol #24: Miscellaneous correction to Solution #24 | KDDI | Rel-18 |  |  |  |
| 9.19 | **S2-2206884** | P-CR | Approval | 23.700-60: KI#4-5: Sol. 20 update | Qualcomm Incorporated | Rel-18 |  |  |  |
| 9.19 | **S2-2206885** | P-CR | Approval | 23.700-60: KI#4-5: Sol. 25 update | Qualcomm Incorporated | Rel-18 |  |  |  |
| 9.19 | **S2-2206663** | P-CR | Approval | 23.700-60: FS\_XRM KI#4\_5 Sol52 update | ZTE | Rel-18 |  |  |  |
| 9.19 | **S2-2206692** | P-CR | Approval | 23.700-60: KI#4 and KI#5, Sol #16: Update to remove ENs | Apple | Rel-18 |  |  |  |
| 9.19 | **S2-2206785** | P-CR | Approval | 23.700-60: Sol#52 Update for PDU Set based QoS framework | Google Inc. | Rel-18 |  |  |  |
| 9.19 | **S2-2206812** | P-CR | Approval | 23.700-60: KI#4/5: Attributes for PDU set | Meta USA | Rel-18 |  |  |  |
| 9.19 | **S2-2206514** | P-CR | Approval | 23.700-60: FS\_XRM\_KI#4 KI#5 Sol#52 Update with Charging Offset | Xiaomi | Rel-18 |  |  |  |
| 9.19 | **S2-2205912** | P-CR | Approval | 23.700-60: KI #4 and 5, New Eval: Key Issue #4 and #5 Evaluation Text for Solution 55 | InterDigital Inc. | Rel-18 |  |  |  |
| 9.19 | **S2-2206354** | P-CR | Approval | 23.700-60: KI#4 KI#5: Sol#56: Evaluation and Conclusion | MediaTek Inc. | Rel-18 |  |  |  |
|  | - | - | - | KI6 new sol and sol update  | - | - | Doc=1 |  | **-**  |
| 9.19 | **S2-2206232** | P-CR | Approval | 23.700-60: KI#6, new solultion for RT latency based on UL/DL AQP Adaptation | Huawei, HiSilicon | Rel-18 |  |  |  |
|  | - | - | - | KI6 evaluation and conclusion  | - | - | Doc=1 |  | **-**  |
| 9.19 | **S2-2205843** | P-CR | Approval | 23.700-60: KI#6, Conclusions | Vivo, China Mobile | Rel-18 |  |  |  |
|  | - | - | - | KI7 new sol and sol update | - | - | Doc=1 |  | **-**  |
| 9.19 | **S2-2206059** | P-CR | Approval | 23.700-60: KI#7, Sol#30: Update to clarify solution procedure description | Tencent, Tencent Cloud | Rel-18 |  |  |  |
|  | - | - | - | KI7 evaluation and conclusion | - | - | Doc=1 |  | **-**  |
| 9.19 | **S2-2206060** | P-CR | Approval | 23.700-60: KI#7: Evaluation of Solutions | Tencent, Tencent Cloud | Rel-18 |  |  |  |
|  | - | - | - | KI8 new sol and sol update | - | - | Doc=6 |  | **-**  |
| 9.19 | **S2-2206898** | LS OUT | Approval | [DRAFT] LS on XR and Media Services | vivo |  | Response to S2-2205421 |  |  |
| 9.19 | **S2-2205421** | LS In | Action | LS from RAN WG1: Reply LS on UE Power Saving for XR and Media Services | RAN WG1 (R1-2205531) | Rel-18 | Responses drafted in S2-2205915, S2-2206898 |  |  |
| 9.19 | **S2-2205915** | LS OUT | Approval | [DRAFT] Reply LS on UE Power Saving for XR and Media Services | InterDigital Inc. | Rel-18 | Response to S2-2205421 |  |  |
| 9.19 | **S2-2205693** | P-CR | Approval | 23.700-60: New Solution for KI-8 -- Enhancements to power savings for XR | Huawei, HiSilicon | Rel-18 |  |  |  |
| 9.19 | **S2-2206151** | P-CR | Approval | 23.700-60: KI#8: Update to Solution #33 for CDRX enhancement | China Telecom | Rel-18 |  |  |  |
| 9.19 | **S2-2206274** | P-CR | Approval | 23.700-60: KI#8, New Sol: Notification to XR AF of CDRX parameters reflecting UE's CDRX preference | NTT DOCOMO | Rel-18 |  |  |  |
|  | - | - | - | KI8 evaluation and conclusion | - | - | Doc=1 |  | **-**  |
| 9.19 | **S2-2206886** | P-CR | Approval | 23.700-60: Ki#8: Evaluation and conclusions | Qualcomm Incorporated | Rel-18 |  |  |  |
|  | - | - | - | KI9 new sol and sol update | - | - | Doc=6 |  | **-**  |
| 9.19 | **S2-2206518** | DISCUSSION | Discussion | FS\_XRM\_DP\_QoS enhancement to support Trade off of QoE and Power Consumption | Xiaomi | Rel-18 |  |  |  |
| 9.19 | **S2-2206520** | LS OUT | Approval | [DRAFT] LS on RAN\_FS\_XRM\_Tradeoff of QoE and Power Saving | Xiaomi | Rel-18 |  |  |  |
| 9.19 | **S2-2206007** | P-CR | Approval | 23.700-60: KI#9, New Sol: power mode based QoS adjustment | OPPO | Rel-18 |  |  |  |
| 9.19 | **S2-2206516** | P-CR | Approval | 23.700-60: FS\_XRM\_KI#9 Sol#61 EN Remove and SMF procedure update | Xiaomi | Rel-18 |  |  |  |
| 9.19 | **S2-2206519** | P-CR | Approval | 23.700-60: FS\_XRM KI#9\_NewSol\_QoS enchancement to support Tradoff of QoE and Power consumption | Xiaomi | Rel-18 |  |  |  |
| 9.19 | **S2-2206647** | P-CR | Approval | 23.700-60: New solution for KI#9 | China Mobile | Rel-18 |  |  |  |
|  | - | - | - | KI9 evaluation and conclusion | - | - | Doc=1 |  | **-**  |
| 9.19 | **S2-2206342** | P-CR | Approval | 23.700-60: Conclusion for KI#9 | China Mobile | Rel-18 |  |  |  |
|  | - | - | - | KI1&2 evaluation&conclusion | - | - |  |  | **-**  |
| 9.19 | **S2-2205832** | P-CR | Approval | 23.700-60: KI#1 and KI#2, Solutions evaluation | Ericsson | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2205909** | P-CR | Approval | 23.700-60: KI #1, New Eval and New Conclusion: Key Issue #1 Evaluation and Conclusion | InterDigital Inc. | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2205910** | P-CR | Approval | 23.700-60: KI #2, New Eval and New Conclusion: Key Issue #2 Evaluation and Conclusion | InterDigital Inc. | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206707** | P-CR | Approval | 23.700-60: KI#3, sol#5, solution update | Tencent, Tencent Cloud | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2205846** | P-CR | Approval | 23.700-60: KI#3, Evaluation and conclusion for L4S/ECN related | Vivo | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2205847** | P-CR | Approval | 23.700-60: KI#3, Evaluation and conclusion for exposed parameters | Vivo | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206236** | P-CR | Approval | 23.700-60: KI#3, Evaluation | Tencent, Tencent Cloud | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206259** | P-CR | Approval | 23.700-60: KI#3, Interim conclusion on CP-based solutions and UP-based solutions without ECN marking | Tencent, Tencent Cloud | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206811** | P-CR | Approval | 23.700-60: KI#3: Way forward proposal (user plane congestion control) | Meta USA | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206352** | P-CR | Approval | 23.700-60: KI#3: Exposure information via QNC Notification: Evaluation and Conclusion | MediaTek Inc. | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206435** | P-CR | Approval | 23.700-60: 23.700-60 KI #3: Evaluation and Conclusion for key issue #3 5GS information exposure for XR/media Enhancements | CATT | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206330** | P-CR | Approval | 23.700-60: KI#3, sol#45 update EN | Huawei, HiSilicon | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206212** | P-CR | Approval | 23.700-60: KI#4&5, sol#52, solution update | Tencent, Tencent Cloud | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2205640** | P-CR | Agreement | 23.700-60: KI #4, 5 Criteria and Principles for Evaluation | Futurewei | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2205833** | P-CR | Approval | 23.700-60: KI#4 and KI#5: Solutions evaluation and conclusions | Ericsson | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206353** | P-CR | Approval | 23.700-60: KI#4 KI#5: Sol#52: Evaluation and Conclusion | MediaTek Inc. | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206355** | P-CR | Approval | 23.700-60: KI#5: Sol#53: Evaluation and Conclusion | MediaTek Inc. | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206897** | P-CR | Approval | 23.700-60: KI#4&5, interim conclusions | Vivo | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206926** | P-CR | Approval | 23.700-60: KI#4, KI#5: Initial conclusions | Intel | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206881** | P-CR | Approval | 23.700-60: Ki#4-5: Interim conclusions | Qualcomm Incorporated | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206813** | P-CR | Approval | 23.700-60: KI#4/5: PDU markings | Meta USA | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206332** | P-CR | Approval | 23.700-60: KI#5, sol#24 update | Huawei, HiSilicon | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206005** | P-CR | Approval | 23.700-60: KI#6 Interim conclusion for uplink-downlink transmission coordination | OPPO | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2205842** | P-CR | Approval | 23.700-60: KI#6, Overall evaluation | Vivo, OPPO | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2205939** | P-CR | Approval | 23.700-60: Conclusions for KI#6 for Round Trip Delay | Nokia, Nokia Shanghai Bell | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206062** | P-CR | Approval | 23.700-60: KI#6: Evaluation of solutions | Tencent, Tencent Cloud | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206233** | P-CR | Approval | 23.700-60: KI#6 evaluation and conclusion | Huawei, HiSilicon | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206329** | P-CR | Approval | 23.700-60: KI#8, Update on solution #33: support of CDRX enhancement for power saving handling | Huawei, HiSilicon | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206642** | P-CR | Approval | 23.700-60: KI#8 & KI#9, Sol#34: Update to clarify solution procedure description | Tencent, Tencent Cloud | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206061** | P-CR | Approval | 23.700-60: KI#7: Interim conclusion | Tencent, Tencent Cloud | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206234** | P-CR | Approval | 23.700-60: KI#7 evaluation and conclusion | Huawei, HiSilicon | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206299** | P-CR | Approval | 23.700-60: Conclusion for KI#7 | China Mobile | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2205844** | P-CR | Approval | 23.700-60: KI#8, Interim conclusions | Vivo | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206235** | P-CR | Approval | 23.700-60: KI#8 evaluation and conclusion | Huawei, HiSilicon | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206356** | P-CR | Approval | 23.700-60: KI#8: Sol#58: Evaluation and Conclusion | MediaTek Inc. | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2205913** | P-CR | Approval | 23.700-60: KI #8, New Eval: Key Issue #8 Evaluation and Conclusion | InterDigital Inc. | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2205940** | P-CR | Approval | 23.700-60: Conclusions for KI#8 and KI#9 for power savings | Nokia, Nokia Shanghai Bell | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206515** | P-CR | Approval | 23.700-60: FS\_XRM\_KI#9 Sol#61 EN Remove about AMF procedure | Xiaomi | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206517** | P-CR | Approval | 23.700-60: FS\_XRM\_KI#9 Sol#61 EN Remove about the feasibility | Xiaomi | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2205849** | P-CR | Approval | 23.700-60: KI#9, Interim conclusions | Vivo | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2205914** | P-CR | Approval | 23.700-60: KI #9, New Eval: Key Issue #9 Evaluation and Conclusion | InterDigital Inc. | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206008** | P-CR | Approval | 23.700-60: KI#9, Evaluation | OPPO | Rel-18 |  |  | Unhandled |
| 9.19 | **S2-2206351** | P-CR | Approval | 23.700-60: KI#9: Sol#61: Evaluation and Conclusion (UE Battery Level) | MediaTek Inc. | Rel-18 |  |  | Unhandled |